

Table 29.6

5-Year Relative Survival (Percent), 2003-2009^aBy International Classification of Childhood Cancer (ICCC)^b Selected Group and Subgroup^c and Sex and Age
Excluding benign brain and myelodysplastic syndromes

ICCC Group & Subgroup	Ages 0-19 by Sex			Both Sexes by Age					
	Total	Male	Female	<1	1-4	5-9	10-14	15-19	0-14
All ICCC Groups Combined	82.1	81.1	83.2	77.5	83.8	81.7	80.9	82.8	81.8
I Leukemia	81.4	80.7	82.4	61.0	89.3	86.9	75.8	68.4	84.1
I(a) Lymphoid leukemia	86.6	85.2	88.6	55.8	93.1	90.3	80.6	72.5	88.8
I(b) Acute myeloid leukemia	61.5	61.6	61.3	62.5	65.4	65.3	62.4	55.2	64.0
II Lymphomas and reticuloendothelial neo.	91.2	91.0	91.6	81.1 ^d	93.6	92.2	90.8	91.1	91.3
II(a) Hodgkin lymphoma	96.6	97.2	95.9	-	96.5	96.4	97.1	96.4	96.9
II(b,c,e) Non-Hodgkin lymphoma	85.3	85.1	85.7	-	92.4	89.4	84.4	82.5	87.4
III CNS & misc intracranial & intraspinal neo.	73.0	72.9	73.1	56.6	72.4	71.7	77.0	77.0	72.1
III(a) Ependymomas and choroid plexus tumor	75.5	71.1	80.7	59.0 ^d	74.5	73.4 ^d	79.7 ^d	85.4	73.4
III(b) Astrocytoma	84.0	83.9	84.1	82.2	91.0	85.1	81.9	77.0	85.8
III(c) Intracranial and intraspinal embryonal tumors	61.2	62.1	59.8	25.7 ^d	55.5	73.2	70.6	64.5 ^d	60.8
III(d) Other gliomas	57.4	61.1	53.7	75.3 ^d	45.7	41.3	66.7	81.2	51.2
IV Neuroblastoma and other peripheral nervous cell tumors	78.5	77.7	79.4	91.1	72.4	69.3	69.7 ^d	87.6 ^d	78.2
IV(a) Neuroblastoma and ganglioneuroblastoma	78.3	77.6	79.0	91.4	72.5	69.2	64.6 ^d	-	78.1
V Retinoblastoma	97.5	96.1	99.0	99.9	95.6	-	-	-	97.5
VI Renal tumors	88.8	89.7	88.0	90.4	89.6	88.2	81.4 ^d	86.8	88.9
VI(a) Nephroblastoma and other nonepithelial renal tumor	89.7	90.6	88.8	90.4	89.7	89.2	95.0	-	89.7
VII Hepatic tumors	68.9	68.4	70.3	80.0	78.8	65.5 ^d	35.6 ^d	45.6 ^d	73.1
VII(a) Hepatoblastoma	78.1	74.6	84.9	80.4	78.4	-	-	-	78.1
VIII Malignant bone tumors	68.7	66.7	71.1	-	74.0 ^d	73.3	72.9	63.0	72.9
VIII(a) Osteosarcoma	66.6	64.2	69.4	-	-	66.7 ^d	72.4	60.7	70.9
VIII(c) Ewing tumor and related sarcomas of bone	67.3	64.2	71.3	-	82.0 ^d	82.4 ^d	68.1	56.4	74.5
IX Soft tissue and other extraosseous sarcomas	70.5	69.3	71.8	65.4	72.5	76.6	70.0	68.4	71.6
IX(a) Rhabdomyosarcoma	63.8	63.3	64.4	63.6 ^d	71.0	74.2	55.1	50.1	66.7
X Germ cell & trophoblastic tumors & neo. of gonads	92.1	92.2	91.9	92.1	94.1	89.1	94.2	91.6	93.0
X(a) Intracranial and intraspinal germ-cell tumor	90.1	91.8	84.0 ^d	-	-	83.9 ^d	94.8	89.4	90.4
X(c) Malignant gonadal germ cell tumor	95.4	94.6	97.1	100.0	95.3	94.9	97.5	94.8	97.1
XI Other malignant epithelial neo. and melanomas ^f	92.8	88.2	95.1	-	94.8	94.0	94.7	92.2	94.1
XI(b) Thyroid carcinoma	99.2	96.4	99.7	-	-	98.1	100.0	99.0	99.6
XI(d) Malignant melanoma	95.7	93.0	97.5	-	96.0	94.8	96.1	96.1	94.5

^a SEER 18 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey and Georgia excluding ATL/RG).

Based on follow-up of patients into 2010.

^b International Classification of Childhood Cancer is based on ICD-O-3. Steliarova-Foucher E, Stiller C, Lacour B, Kaatsch P. International Classification of Childhood Cancer, Third Edition. Cancer. April 1, 2005; Vol 103, No. 7, pg 1457-1467.

^c Classifications are shown for invasive cases only. For ICCC groups and subgroups that include *in situ* behavior, only invasive cases are shown except as noted.

^d The standard error is between 5 and 10 percentage points.

^e The standard error is greater than 10 percentage points.

^f Includes *in situ* urinary bladder tumors.

- Statistic could not be calculated due to fewer than 25 cases during the time period.
Neoplasms are abbreviated as neo.